

## SAILING DIRECTIONS CORRECTIONS

**PUB 160**            **1 Ed 1998**            **LAST NM 35/99**

Page 18; replace with below:

Replace with new table from back of this Subsection.

(Australia Annual Notice No. 9 of 1999)            50/99

Page 19; replace with below:

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(Australia Annual Notice No. 9 of 1999)            50/99

Page 20; replace with below:

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(Australia Annual Notice No. 9 of 1999)            50/99

Page 20C; replace with below:

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(Australia Annual Notice No. 9 of 1999)            50/99

Page 20D; replace with below:

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(Australia Annual Notice No. 9 of 1999)            50/99

Page 24; replace with below:

New graphic from back of this Subsection.

(Aus Annual Notice No. 9)            50/99

RESTRICTED AND DANGER AREAS WITH ASSOCIATED AIRSPACE—WESTERN AUSTRALIA

Area	Name	Nature of Activity	Times of Use	Area limits bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
	Greenough	Firing	HJ NOTAM	(a) 28°57'50"S, 114°43'17"E. thence along the coast to (b) 28°58'09"S, 114°43'38"E. (c) 28°58'28"S, 114°43'16"E. (d) 28°58'10"S, 114°42'55"E.	9
	Flat Rock	Air to surface weapons firing	NOTAM	A circle 2.4 NM in radius centered on 30°45'40"S, 115°09'45"E.	9
	Swanbourne	Firing	Mon, Tues, Thurs 0930-1500 Tues 1800-2100	(a) 31°57'07"S, 115°45'08"E. thence along the coast to (b) 31°58'26"S, 115°45'10"E. (c) 31°58'59"S, 115°44'30"E. (d) 31°58'58"S, 115°43'16"E. (e) 31°56'39"S, 115°43'16"E. (f) 31°56'39"S, 115°44'34"E.	9
YMMM/R119	Stirling	Military flying, missile and gunnery firing, and operation of remote controlled unmanned aircraft	NOTAM	<b>R119A</b> 31°38'54"S, 113°38'18"E; thence the minor arc of a circle 120 NM in radius centered on Perth DME (31°56'42"S, 115°57'34"E), to 30°50'29"S, 114°00'31"E; 31°23'49"S, 114°58'42"E; thence the minor arc of a circle 60 NM in radius centered on Perth DME, to 31°48'07"S, 114°47'50"E.	9
			NOTAM	<b>R119B</b> 32°30'51"S, 113°41'55"E; thence the minor arc of a circle 120 NM in radius centered on Perth DME (31°56'42"S, 115°57'34"E), to 31°38'54"S, 113°38'18"E; 31°46'38"S, 114°36'14"E; thence the minor arc of a circle 70 NM in radius centered on Perth DME, to 32°16'55"S, 114°38'39"E.	9
			NOTAM	<b>R119C</b> 31°52'29"S, 115°22'39"E; thence the minor arc of a circle 30 NM in radius centered on Perth DME (31°56'42"S, 115°57'34"E), to 32°05'28"S, 115°23'48"E; 32°16'55"S, 114°38'39"E; thence the minor arc of a circle 70 NM in radius centered on Perth DME, to 31°46'38"S, 114°36'14"E.	9
			NOTAM	<b>R119D</b> 33°08'23"S, 114°03'35"E; thence the minor arc of a circle 120 NM in radius centered on Perth DME (31°56'42"S, 115°57'34"E), to 32°30'51"S, 113°41'54"E; 32°16'55"S, 114°38'39"E; thence the minor arc of a circle 70 NM in radius centered on Perth DME, to 32°30'8'44"S, 114°51'27"E.	9
			NOTAM	<b>R119E</b> 32°38'44"S, 114°51'27"E; thence the minor arc of a circle 70 NM in radius centered on Perth DME (31°56'42"S, 115°57'34"E), to 32°16'55"S, 114°38'39"E; 32°05'28"S, 115°23'48"E; thence the minor arc of a circle 30 NM in radius centered on Perth DME, to 32°14'47"S, 115°29'22"E.	9

**RESTRICTED AND DANGER AREAS WITH ASSOCIATED AIRSPACE  
WESTERN AUSTRALIA (CONTINUED)**

Area	Name	Nature of Activity	Times of Use	Area limits bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YMMM/R119	Stirling	Military flying, missile and gunnery firing, and operation of remote controlled unmanned aircraft	NOTAM	<b>R119F</b> 33°42'40"S, 114°50'15"E; thence the minor arc of a circle 120 NM in radius centered on Perth DME (31°56'42"S, 115°57'34"E), to 33°08'23"S, 114°03'34"E; 32°38'43"S, 114°51'27"E; thence the minor arc of a circle 70 NM in radius centered on Perth DME, to 32°58'36"S, 115°18'38"E.	9
			NOTAM	<b>R119G</b> 32°27'40"S, 115°38'13"E; 32°58'36"S, 115°18'38"E; thence the minor arc of a circle 70 NM in radius centered on Perth DME (31°56'42"S, 115°57'34"E), to 32°38'44"S, 114°51'27"E; 32°14'47"S, 115°29'22"E; thence the minor arc of a circle 30 NM in radius centered on Perth DME, to 32°22'32"S, 115°39'30"E.	9
			NOTAM	<b>R119H</b> 32°09'27"S, 115°39'32"E; thence along W coast of Garden Island to 32°14'51"S, 115°41'24"E; 32°22'32"S, 115°39'30"E; thence the minor arc of a circle 30 NM in radius centered on Perth DME (31°56'42"S, 115°57'34"E), to 32°14'47"S, 115°29'22"E.	9
YMMM/R140	Garden Island	Demolition depot	H24 NOTAM	A circle 1.0 NM in radius centered on 32°10'36"S, 115°40'18"E.	9
YMMM/R144	Stirling	Military flying	NOTAM	31°48'07"S, 114°47'49"E; thence the minor arc of a circle 60 NM in radius centered on Perth DME (31°56'42"S, 115°57'34"E), to 31°19'34"S, 115°02'18"E; 31°38'11"S, 115°29'51"E; 31°53'55"S, 115°34'18"E.	9
YMMM/R146	Lancelin	Gunnery	NOTAM	<b>R146A</b> (a) 30°54'00"S, 114°56'00"E. (b) 30°45'30"S, 115°17'30"E. (c) 30°55'00"S, 115°24'00"E. (d) 31°07'30"S, 115°05'00"E.	9
			NOTAM	<b>R146B</b> (a) 30°45'30"S, 115°17'30"E. (b) 30°41'00"S, 115°27'00"E. (c) 30°50'00"S, 115°33'00"E. (d) 30°55'00"S, 115°24'00"E.	9
			NOTAM	<b>R146C</b> (a) 30°41'00"S, 115°27'00"E. (b) 30°45'30"S, 115°17'30"E. (c) 30°47'56"S, 115°11'21"E. thence along the coast to (d) 30°39'41"S, 115°07'55"E. thence along the coast to (e) 30°38'57"S, 115°07'36"E.	9
YMMM/R148	Lancelin	Military flying	NOTAM	(a) 30°00'00"S, 114°30'00"E. (b) 30°15'32"S, 115°02'11"E. thence along the coast to (c) 30°47'56"S, 115°11'21"E. (d) 30°54'00"S, 114°56'00"E. (e) 31°07'30"S, 115°05'00"E. (f) 31°40'00"S, 114°30'00"E.	9

**RESTRICTED AND DANGER AREAS WITH ASSOCIATED AIRSPACE  
WESTERN AUSTRALIA (CONTINUED)**

Area	Name	Nature of Activity	Times of Use	Area limits bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YMMM/R157	Lancelin	Military flying	NOTAM	(a) 31°40'00"S, 113°00'00"E. (b) 30°00'00"S, 113°00'00"E. (c) 30°00'00"S, 114°30'00"E. (d) 31°40'00"S, 114°30'00"E.	9
YMMM/R184	Lancelin	Explosives demolition	NOTAM	A circle 1.5 NM in radius centered on 30°52'54"S, 115°16'12"E.	9
YMMM/R850A/B	Learmonth	Military flying training	NOTAM	<b>R850A/B</b> —22°54'26"S, 116°07'49"E; thence the minor arc of a circle 120 NM in radius centered on Learmonth DME (22°14'05"S, 144°05'39"E), to 24°07'12"S, 113°21'00"E; 22°51'49"S, 113°50'54"E; thence the minor arc of a circle 15 NM in radius centered on Learmonth DME to 22°27'47"S, 114°46'13"E.	8
YMMM/R851A/B/C	Learmonth	Military flying training	NOTAM	<b>R851A/B/C</b> —21°22'24"S, 116°02'08"E; thence the minor arc of a circle 120 NM in radius centered on Learmonth DME (22°14'05"S, 144°05'39"E), to 22°54'26"S, 116°07'49"E; 22°27'47"S, 114°46'13"E; thence the minor arc of a circle 40 NM in radius centered on Learmonth DME to 21°57'04"S, 114°44'39"E.	8
YMMM/R852A/B	Learmonth	Military flying training	NOTAM	<b>R852A/B</b> —20°24'43"S, 114°59'27"E; thence the minor arc of a circle 120 NM in radius centered on Learmonth DME (22°14'05"S, 144°05'39"E), to 21°22'24"S, 116°02'08"E; 21°57'04"S, 114°44'39"E; thence the minor arc of a circle 40 NM in radius centered on Learmonth DME to 21°37'40"S, 114°23'44"E.	8
YMMM/R853A/B	Learmonth	Military flying training	NOTAM	<b>R853A/B</b> —19°52'35"S, 113°10'54"E; thence the minor arc of a circle 150 NM in radius centered on Learmonth DME (22°14'05"S, 144°05'39"E), to 19°57'19"S, 115°12'42"E; 20°52'05"S, 114°46'07"E; thence the minor arc of a circle 90 NM in radius centered on Learmonth DME to 20°49'14"S, 113°32'34"E.	8

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**RESTRICTED AND DANGER AREAS WITH ASSOCIATED AIRSPACE  
SOUTH AUSTRALIA**

Area	Name	Nature of Activity	Times of Use	Area limits bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YMMM/R245	Dangerous Reef	Naval operations	NOTAM	A circle 1 NM in radius centered on 34°55'54"S, 136°14'03"E.	10
YMMM/R246	Thistle Island	Naval operations	NOTAM	A circle 2 NM in radius centered on 34°59'42"S, 136°13'12"E.	10
YMMM/R252	Alamein	Artillery firing	NOTAM	(a) 32°40'30"S, 137°47'30"E. (b) 32°47'00"S, 137°51'00"E. (c) 32°55'00"S, 137°51'00"E. (d) 32°59'00"S, 137°47'30"E. (e) 32°59'00"S, 137°42'53"E., thence along the coast to (f) 32°57'00"S, 137°39'30"E. (g) 32°55'00"S, 137°37'50"E. (h) 32°40'30"S, 137°37'50"E.	10
YMMM/R254	North East Rock	Bombing	NOTAM	35°07'00"S, 136°21'43"E; thence the major arc of a circle 7 NM in radius centered on 35°04'30"S, 136°29'40"E. to 35°07'00"S, 136°37'37"E.	10
YMMM/R279	Edinburgh	Military flying and firing	NOTAM	35°18'08"S, 136°52'48"E; thence N along the coast of Yorke Peninsula to 34°58'12"S, 137°46'05"E; 34°57'38"S, 138°03'31"E; thence the minor arc of a circle 23 NM in radius centered on Adelaide DME (34°56'49"S, 138°31'28"E) to 35°05'02"S, 138°05'19"E; 35°35'27"S, 137°23'33"E; thence W along the N coast of Kangaroo Island, to 35°43'19"S, 136°43'13"E; thence the minor arc of a circle 100 NM in radius centered on Adelaide DME to 35°21'44"S, 136°33'21"E.	10
YMMM/R295	Port Wakefield	Proof firing range	H24	<b>R295A</b> (a) 34°27'06"S, 138°08'30"E. (b) 34°13'30"S, 138°08'30"E. (c) 34°13'30"S, 138°11'59"E. thence SE along Port Wakefield Road to (d) 34°19'57"S, 138°16'15"E. (e) 34°25'18"S, 138°16'06"E. (f) 34°27'15"S, 138°13'29"E.	10
			NOTAM	<b>R295B</b> (a) 34°27'06"S, 138°08'30"E. (b) 34°13'30"S, 138°08'30"E. (c) 34°13'30"S, 138°11'59"E. thence SE along Port Wakefield Road to (d) 34°19'57"S, 138°16'15"E. (e) 34°25'18"S, 138°16'06"E. (f) 34°27'15"S, 138°13'29"E.	10
			NOTAM	<b>R295C</b> (a) 34°25'47"S, 138°15'27"E. (b) 34°29'30"S, 138°16'30"E. (c) 34°29'30"S, 138°08'30"E. (d) 34°27'06"S, 138°08'30"E. (e) 34°27'15"S, 138°13'29"E.	10
			NOTAM	<b>R295D</b> (a) 34°29'30"S, 138°16'30"E. (b) 34°34'00"S, 138°18'00"E. (c) 34°34'00"S, 138°08'30"E. (d) 34°29'30"S, 138°08'00"E.	10

**RESTRICTED AND DANGER AREAS WITH ASSOCIATED AIRSPACE  
SOUTH AUSTRALIA (CONTINUED)**

Area	Name	Nature of Activity	Times of Use	Area limits bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YMMM/R295	Port Wake-field	Proof firing range	NOTAM	<b>R295E</b> (a) 34°24'00"S, 138°03'30"E. (b) 34°13'30"S, 138°03'30"E. (c) 34°13'30"S, 138°08'30"E. (d) 34°24'00"S, 138°08'30"E.	10
			NOTAM	<b>R295F</b> (a) 34°15'00"S, 137°54'00"E. (b) 34°09'00"S, 138°00'00"E. (c) 34°09'00"S, 138°05'00"E. (d) 34°13'30"S, 138°11'59"E. (e) 34°13'30"S, 138°03'30"E. (f) 34°24'00"S, 138°03'30"E. (g) 34°24'00"S, 138°08'30"E. (h) 34°34'00"S, 138°08'30"E. (i) 34°34'00"S, 138°06'30"E.	10

